

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 61-281160

(43)Date of publication of application : 11.12.1986

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(51)Int.Cl.

C09B 67/00

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(21)Application number : 60-123751

(71)Applicant : RICOH CO LTD

(22)Date of filing : 07.06.1985

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### (54) PRODUCTION OF COLORING AGENT

#### (57)Abstract:

**PURPOSE:** To obtain a colorant containing uniformly dispersed pigment and having excellent fixability to paper, etc., and suitable as a liquid developer for electrophotography, by adding a pigment and an ethylene-vinyl acetate copolymer to the flashing system for the production of the colorant.

**CONSTITUTION:** An aqueous dispersion of a pigment (e.g. carbon black) is mixed with preferably humic acid, humic acid salt or humic acid derivative (0.1W30wt% based on the dispersion) and then with a resin solution composed of an ethylene-vinyl acetate copolymer (preferably 0.1W2.0pts.wt. per 1pt.wt. of the pigment). After substituting the water surrounding the pigment particle with the resin solution, the water and the solvent is removed to obtain the objective colorant.

**EFFECT:** The colorant has improved dispersibility and can be blended easily with other resin.

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### LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against  
examiner's decision of rejection]

[Date of extinction of right]

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